

3100A neonatal and pediatric high-frequency oscillatory ventilator

Specifications

The 3100 series goes beyond convention. The 3100A has changed the way clinicians around the world ventilate by setting the benchmark for open lung, low stretch and lung protective strategies. This unique technology was built upon the understanding that gentle lung recruitment and optimal ventilation require perfect balance.



Controls and settings

Bias flow	0 to 40 L/min
Mean airway pressure mPAw	3 to 45 cmH ₂ O
Max mean pressure limit	10 to 45 cmH ₂ O
Amplitude (Delta-P)	> 90 cmH ₂ O
Frequency	3 to 15 Hz
Percent inspiratory time	30% to 50%
Piston centering adjust	Applies electrical counterforce to piston coil to maintain piston centering

Pressure measurement

Range	± 130 cmH ₂ O
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Displays


Mean airway pressure
Amplitude (Delta-P)
Percent inspiratory time
Frequency
Piston displacement
Bias flow


Specifications continued on next page

Alarms
Safety (dump valve open)
mPAW > 50 cmH ₂ O
Mean airway pressure < 20% of "set max PAW"
Warnings
High mean airway pressure
Low mean airway pressure
Caution
Oscillator overheated
Battery low
Source gas low
Power failure
Oscillator stopped
45 second alarm silence

Specifications subject to change without notice

 **WARNING**—U.S. Federal Law restricts this device to sale by or on the order of a physician.

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Electrical/pneumatic	
115 VAC, 7.5A, 60 Hz	
100 VAC, 7.5A, 50 Hz	
220 VAC, 4.0A, 50 Hz	
220 VAC, 4.0A, 60 Hz	
240 VAC, 4.0A, 50 Hz	
Power	800 watts (maximum)
Leakage current	< 100 µAmp
Inlet from blender (Air/O ₂) 40–60 psig (2.8–4.1 bar), 40 L/min (±10%) maximum flow	
Cooling air inlet 40–60 psig (2.8–4.1 bar), 10 L/min (±10%) flow	
Safety standards: Conforms to UL STD 60601-1. Certified to CAN/CSA STD C22.2 No. 601-1-M90	

Physical	
Height	53.8" (136.7 cm)
Width	18.6" (47.2 cm)
Depth	11.4" (29 cm)
Weight	143 lbs (65 kg)

